

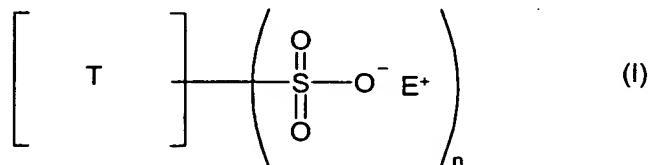
What is claimed is:

1. A copper phthalocyanine pigment preparation comprising a copper phthalocyanine pigment and at least one pigment dispersant from the group of copper phthalocyaninesulfonic acids and copper phthalocyaninesulfonic salts, characterized by
 - a) a dynamic viscosity of not more than 180 mPas and/or by a thixotropy of not more than 800 Pa/s, the dynamic viscosity and the thixotropy being determined with a rotational viscometer at a temperature of 23°C in a pigment dispersion consisting of 28% by weight of the copper phthalocyanine pigment preparation (dry), 9% by weight of nitrocellulose (according to ISO 14 446, standard 27A), 62.3% by weight of ethanol and 0.7% by weight of ethyl acetate, and characterized by
 - b) a color strength such that a printing ink consisting of an ethanol/nitrocellulose gravure varnish (containing 75% to 85% by weight of ethanol and 9% to 11% by weight of nitrocellulose according to ISO 14 446, standard 27A and 30A in a ratio of 2:7.5) and of a copper phthalocyanine pigment preparation (dry) content, based on the total weight of the printing ink, of not more than 6.6% by weight, achieves the 1/3 standard color depth according to DIN 53235 of the corresponding hue.
2. The copper phthalocyanine pigment preparation as claimed in claim 1, characterized by a dynamic viscosity of not more than 150 mPas and/or by a thixotropy of not more than 600 Pa/s.
3. The copper phthalocyanine pigment preparation as claimed in claim 1 or 2, characterized by a color strength such that a printing ink consisting of an ethanol/nitrocellulose gravure varnish (containing 75% to 85% by weight of ethanol and 9% to 11% by weight of nitrocellulose according to ISO 14 446, standard 27A and 30A in a ratio of 2:7.5) and of a copper phthalocyanine pigment preparation (dry) content, based on the total weight of the printing ink, of not more than 6.5% by weight, achieves the 1/3 standard color depth according to DIN 53235 of the corresponding hue.
4. The copper phthalocyanine pigment preparation as claimed in

claim 1, characterized by

a) a dynamic viscosity of not more than 150 mPas, and by a thixotropy of not more than 450 Pa/s,
and characterized by
5 b) a color strength such that a printing ink consisting of an ethanol/nitrocellulose gravure varnish (containing 75% to 85% by weight of ethanol and 9% to 11% by weight of nitrocellulose according to ISO 14 446, standard 27A and 30A in a ratio of 2:7.5) and of a copper phthalocyanine pigment preparation (dry) content, based on the total
10 weight of the printing ink, of not more than 6.4% by weight, achieves the 1/3 standard color depth according to DIN 53235 of the corresponding hue.

5. The copper phthalocyanine pigment preparation as claimed in one or
15 more of claims 1 to 4, wherein the pigment dispersant is a compound of the formula (I)



in which

20 T is a copper phthalocyanine radical which is substituted by 1 to 4 chlorine atoms or preferably is chlorine-free;
n is a number from 1 to 4;
E⁺ is H⁺ or the equivalent M^{s+}/s of a metal cation M^{s+}, s being one of the numbers 1, 2 or 3.

25 6. The copper phthalocyanine pigment preparation as claimed in one or more of claims 1 to 5, wherein the copper phthalocyanine pigment contains 0% to 6% by weight of chlorine.

30 7. The copper phthalocyanine pigment preparation as claimed in one or more of claims 1 to 6, containing 0.1% to 25% by weight, preferably 0.5% to 20% by weight, based on the weight of the copper phthalocyanine pigment, of pigment dispersants from the group of copper phthalocyanine-sulfonic acids and salts thereof.

8. A process for preparing a copper phthalocyanine pigment preparation as claimed in one or more of claims 1 to 7, which comprises finely dividing a crude copper phthalocyanine pigment by means of a method from the group of dry grinding and salt kneading to form a prepigment and then subjecting the prepigment to a finish treatment in a mixture of water and an organic solvent at alkaline pH, at elevated temperature and in the presence of at least one pigment dispersant from the group of copper phthalocyaninesulfonic acids and copper phthalocyaninesulfonic salts.
- 5 10. 9. The use of a copper phthalocyanine pigment preparation as claimed in one or more of claims 1 to 7 for pigmenting high molecular weight organic materials, such as of plastics, resins, varnishes, paints, electrophotographic toners and developers, electret materials, color filters and of inks, including printing inks, and seed.
- 15 10. A high molecular weight organic material containing 0.05% to 30% by weight of a copper phthalocyanine pigment preparation as claimed in one or more of claims 1 to 7.